

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096945.D
 Acq On : 16 Jul 2018 19:33
 Operator : SJ/JU
 Sample : J3170-14RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 16:42:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	2036	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	9687	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5189	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	14867	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	13512	0.40	ng	0.00
34) Perylene-d12	23.21	264	13910	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	987	0.20	ng	0.00
5) Phenol-d6	6.59	99	872	0.12	ng	0.00
8) Nitrobenzene-d5	8.52	82	3462	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6692	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	674	0.56	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9771	0.51	ng	0.00
25) Fluoranthene-d10	18.81	212	78147	0.60	ng	0.00
29) Terphenyl-d14	19.43	244	16130	0.62	ng	0.00

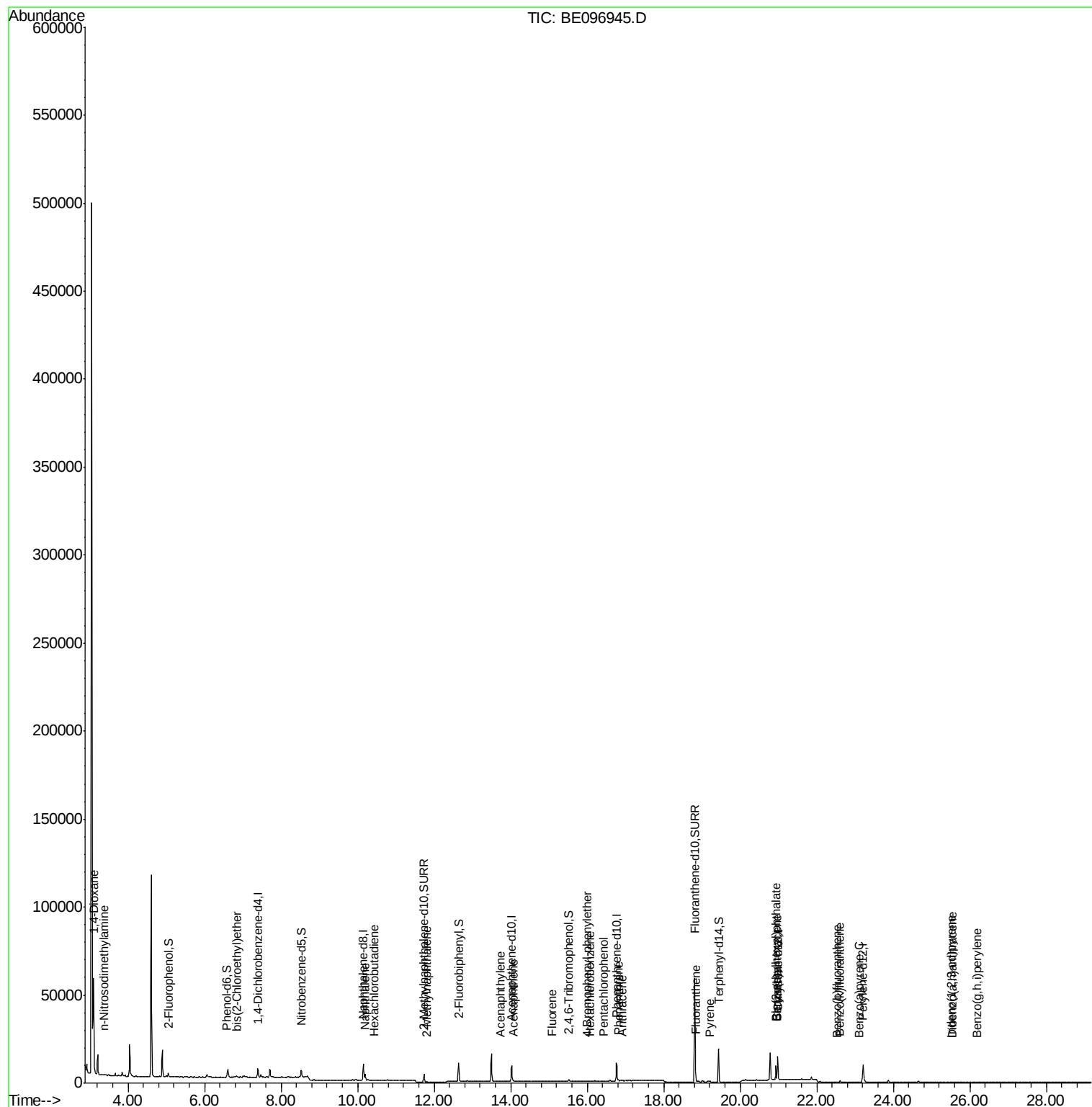
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	25589	8.780	ng	# 88
3) n-Nitrosodimethylamine	3.36	42	73	0.022	ng	# 20
6) bis(2-Chloroethyl)ether	6.84	93	274	0.038	ng	# 91
9) Naphthalene	10.20	128	5400	0.062	ng	# 97
10) Hexachlorobutadiene	10.44	225	6	0.002	ng	# 56
12) 2-Methylnaphthalene	11.81	142	439	0.030	ng	# 92
16) Acenaphthylene	13.74	152	72	0.003	ng	# 54
17) Acenaphthene	14.08	154	66	0.004	ng	# 72
18) Fluorene	15.08	166	164	0.010	ng	# 83
20) 4-Bromophenyl-phenylether	16.00	248	3	0.000	ng	# 24
21) Hexachlorobenzene	16.08	284	9	0.001	ng	# 1
22) Pentachlorophenol	16.44	266	34	0.008	ng	# 97
23) Phenanthrene	16.81	178	694	0.019	ng	# 82
24) Anthracene	16.91	178	78	0.003	ng	# 77
26) Fluoranthene	18.84	202	175	0.005	ng	# 85
28) Pyrene	19.20	202	144	0.004	ng	# 84
30) Benzo(a)anthracene	20.97	228	129	0.004	ng	# 29
31) Chrysene	20.97	228	96	0.003	ng	# 29
32) Bis(2-ethylhexyl)phthalate	20.93	149	8392	0.261	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	23	0.001	ng	# 74
35) Benzo(b)fluoranthene	22.54	252	96	0.003	ng	# 1
36) Benzo(k)fluoranthene	22.61	252	129	0.003	ng	# 1
37) Benzo(a)pyrene	23.10	252	11	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	24	0.118	ng	# 1
39) Benzo(g,h,i)perylene	26.20	276	17	0.001	ng	# 1

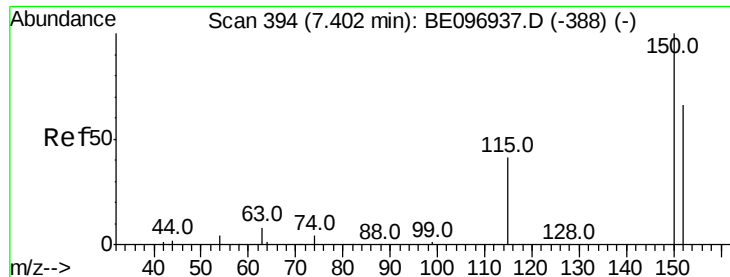
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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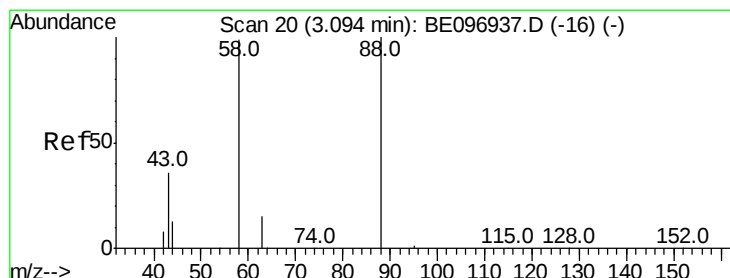
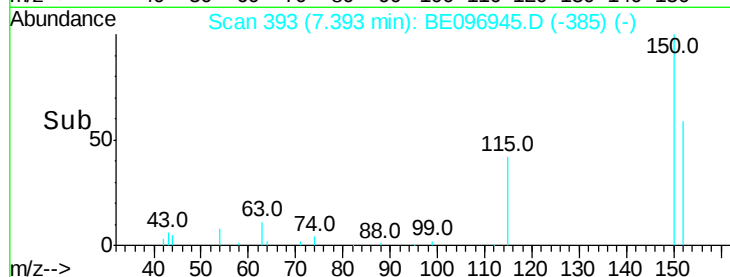
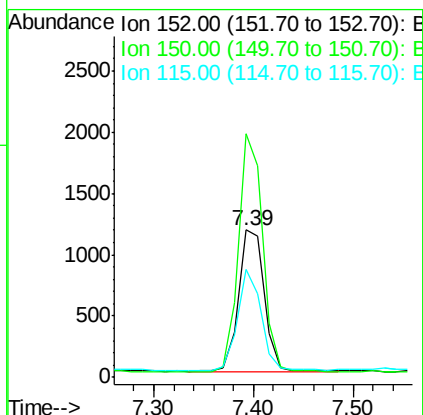
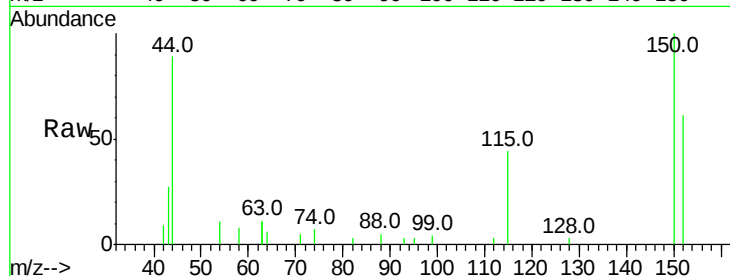


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Instrument :
BNA_E
ClientSampled :

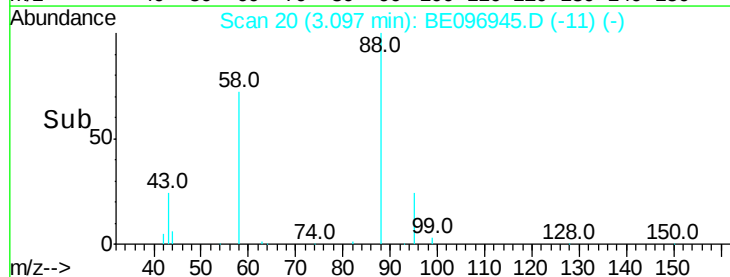
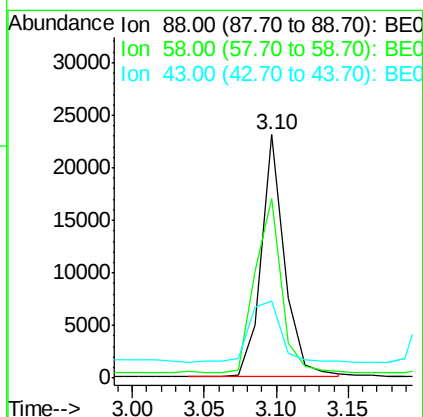
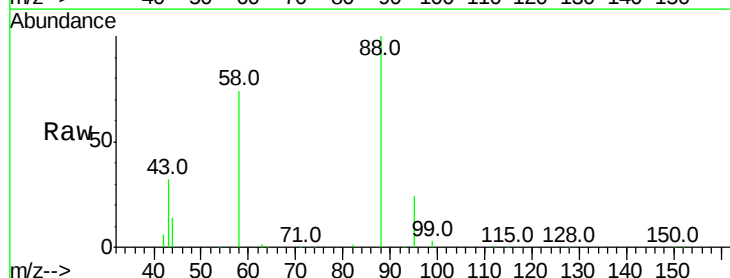
Tot Ion:152 Resp: 2036
Ion Ratio Lower Upper
152 100
150 165.2 117.2 175.8
115 73.3 57.0 85.6

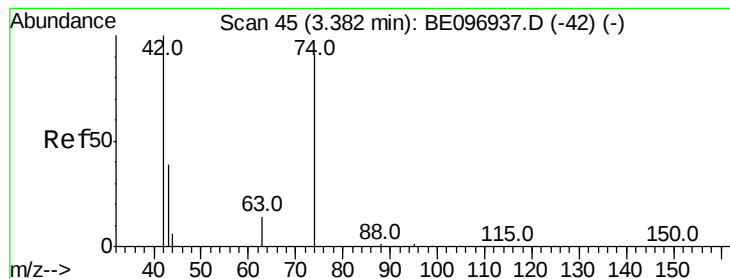


#2

1,4-Dioxane
Concen: 8.780 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Tgt Ion: 88 Resp: 25589
Ion Ratio Lower Upper
88 100
58 81.7 63.2 94.8
43 33.9 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.022 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.02 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

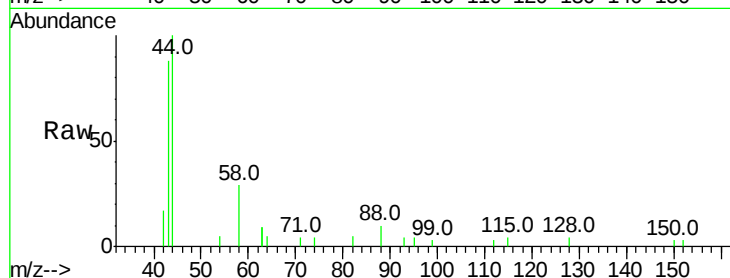
Tot Ion: 42 Resp: 73

Ion Ratio Lower Upper

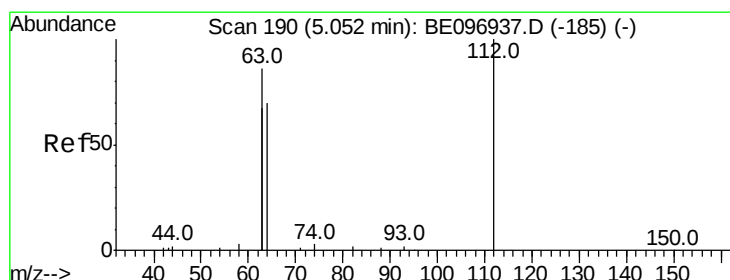
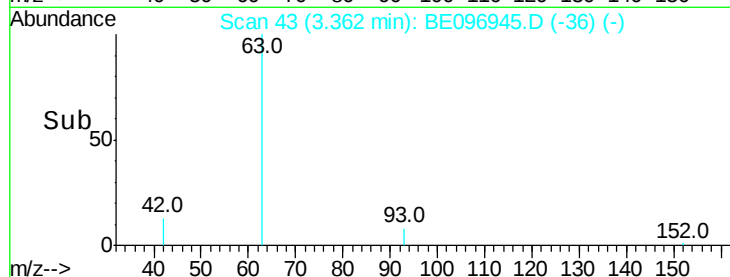
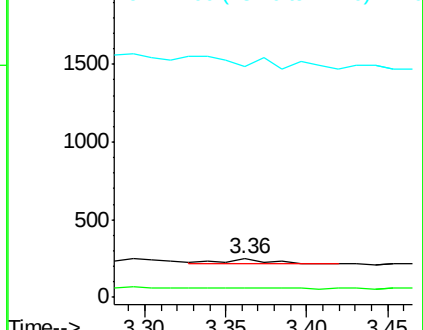
42 100

74 24.7 96.0 144.0#

44 0.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.203 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

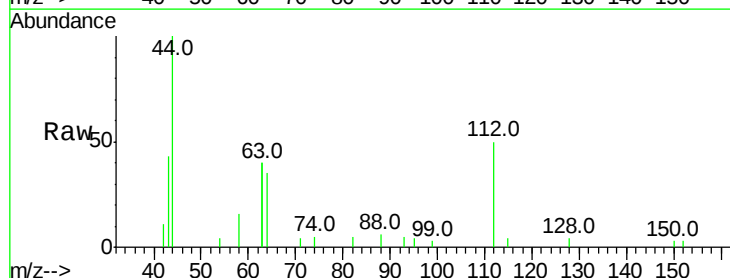
Tgt Ion: 112 Resp: 987

Ion Ratio Lower Upper

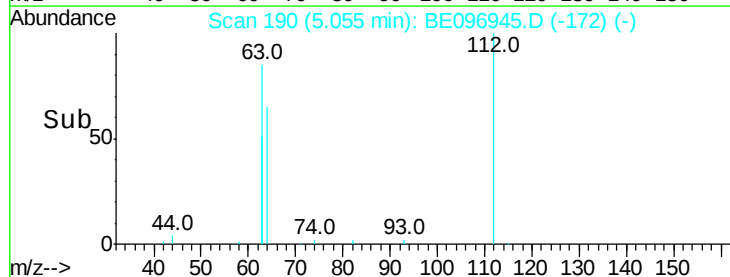
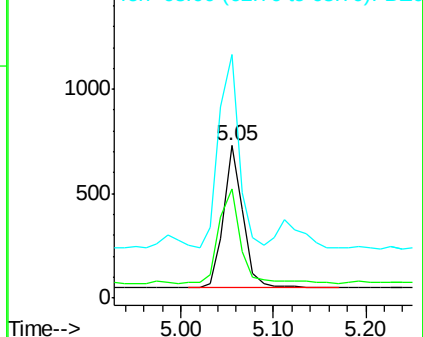
112 100

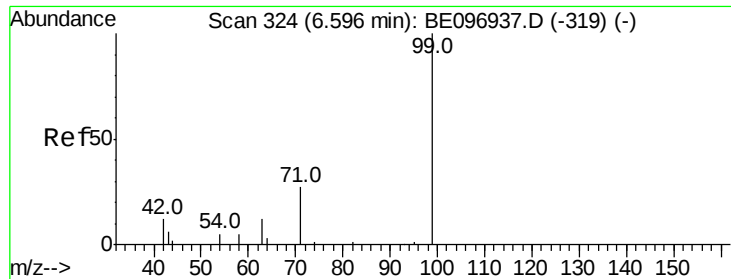
64 74.7 60.1 90.1

63 142.2 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.117 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

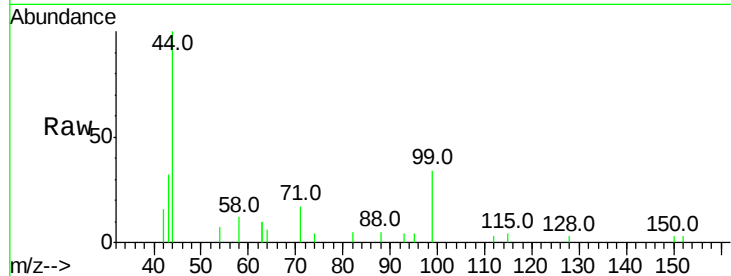
Tot Ion: 99 Resp: 872

Ion Ratio Lower Upper

99 100

42 41.2 20.2 30.2#

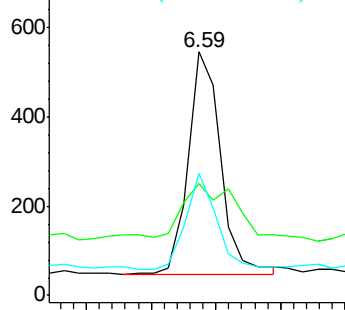
71 40.6 28.4 42.6



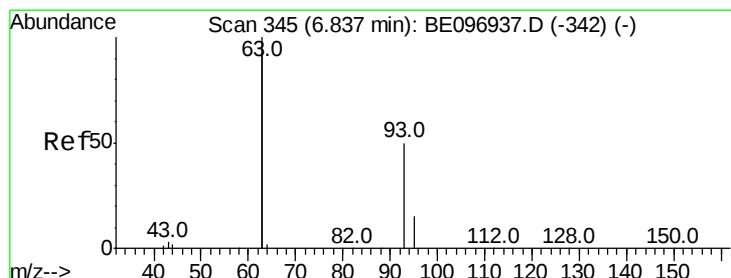
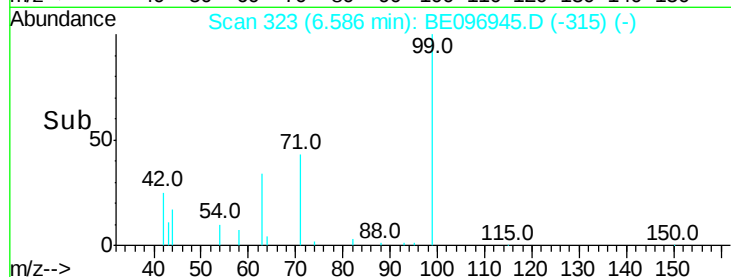
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.038 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

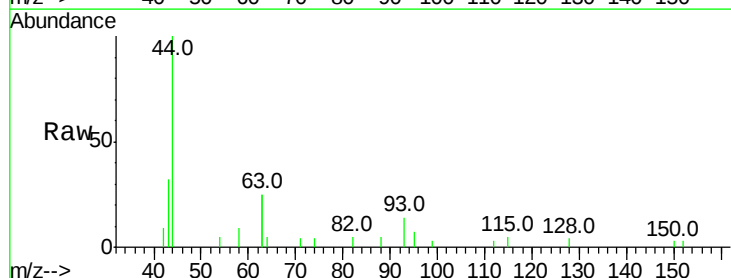
Tgt Ion: 93 Resp: 274

Ion Ratio Lower Upper

93 100

63 325.9 275.3 412.9

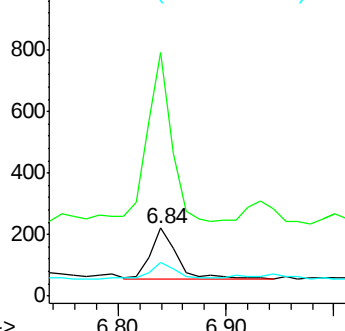
95 36.5 25.2 37.8



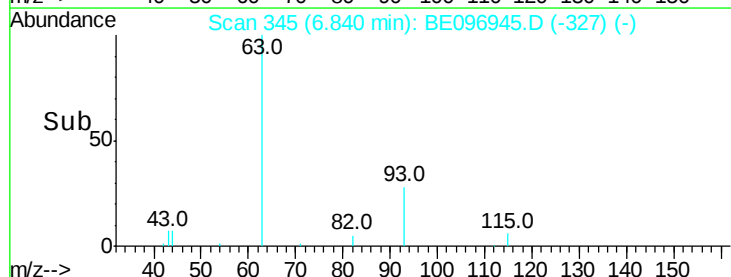
Abundance Ion 93.00 (92.70 to 93.70): BE0

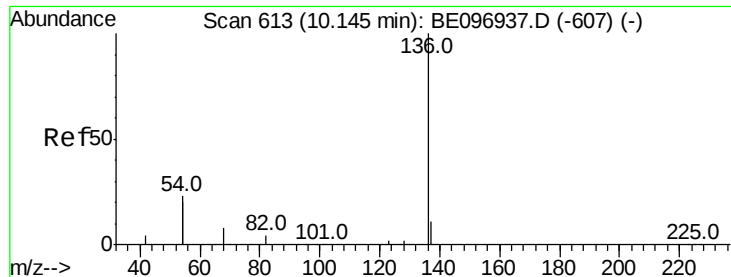
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9687

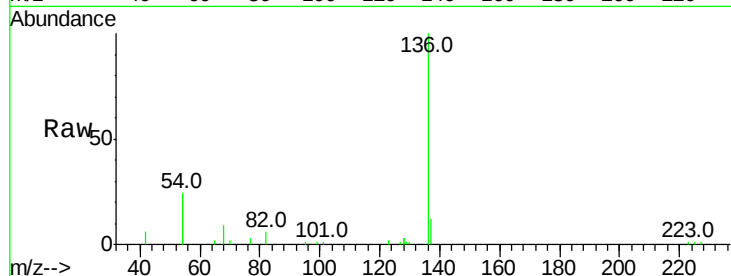
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 47.9 29.1 43.7#

68 9.3 6.2 9.2#

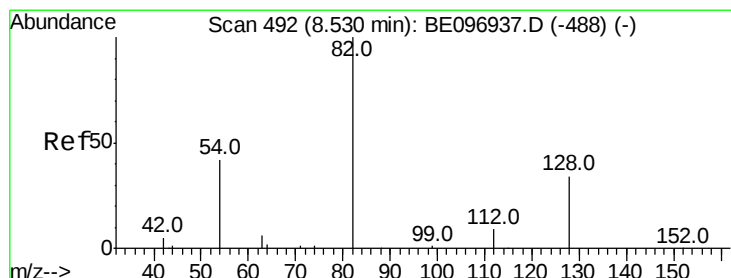
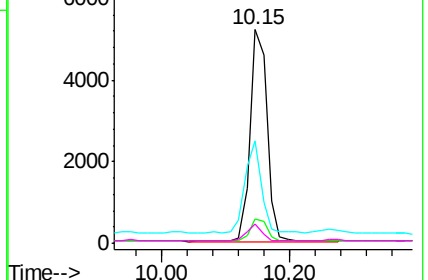
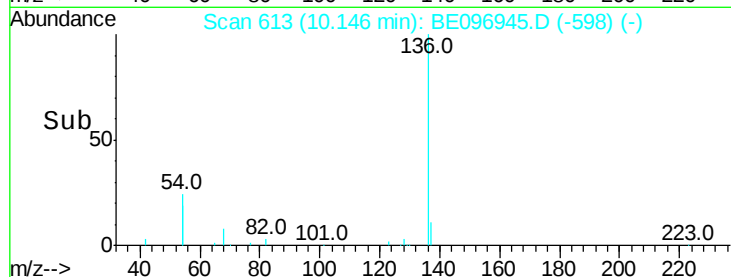


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.490 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

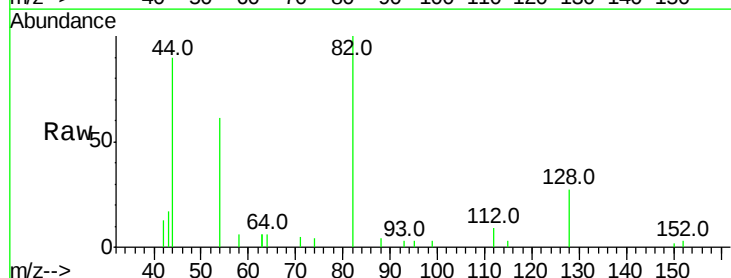
Tgt Ion: 82 Resp: 3462

Ion Ratio Lower Upper

82 100

128 26.5 24.0 36.0

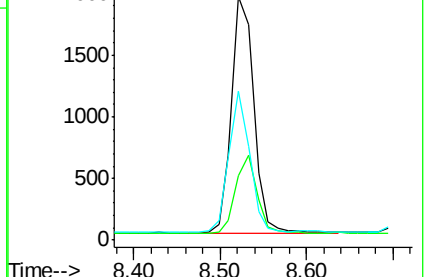
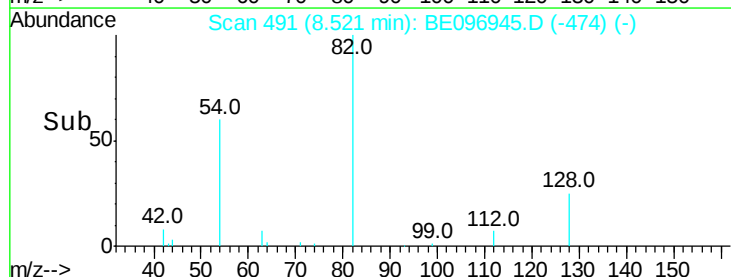
54 61.2 40.0 60.0#

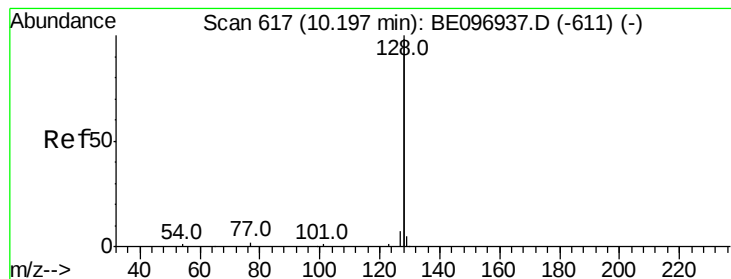


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.062 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

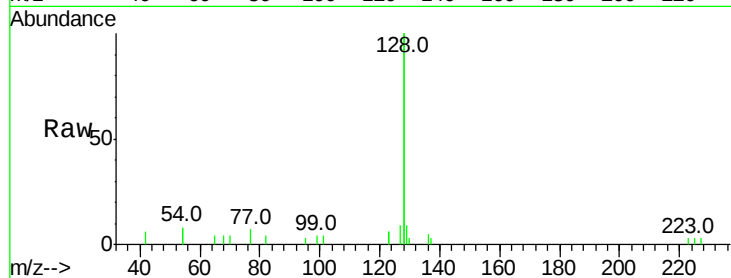
Tot Ion:128 Resp: 5400

Ion Ratio Lower Upper

128 100

129 4.3 2.6 3.8#

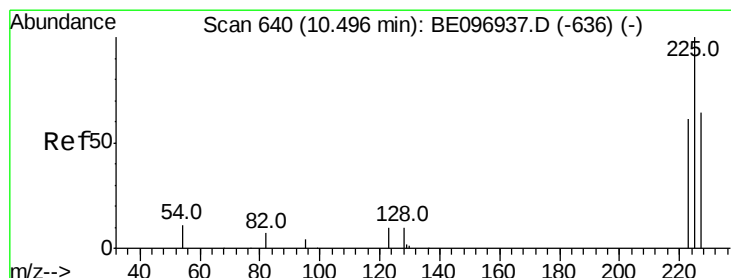
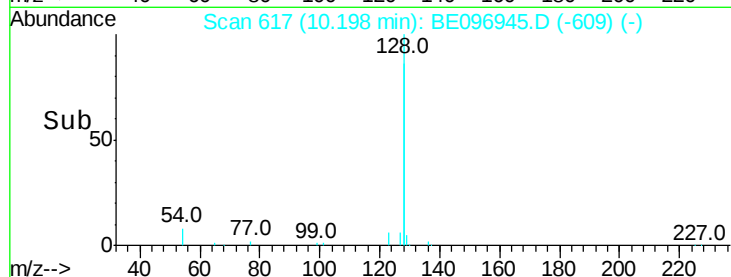
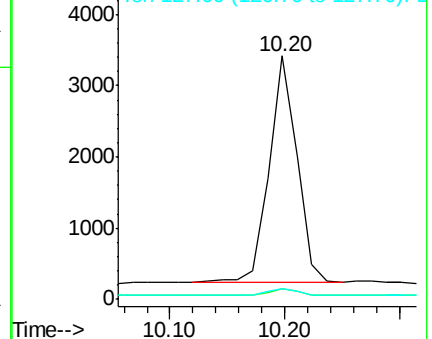
127 4.5 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.002 ng

RT: 10.44 min Scan# 636

Delta R.T. -0.05 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

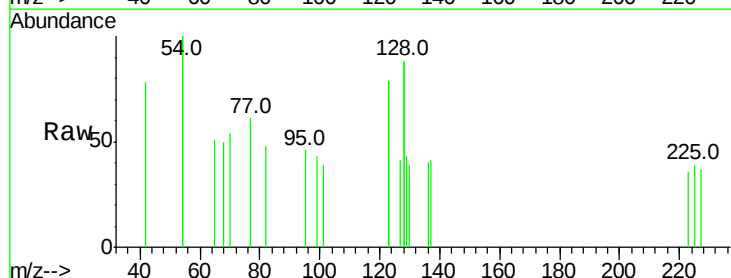
Tgt Ion:225 Resp: 6

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

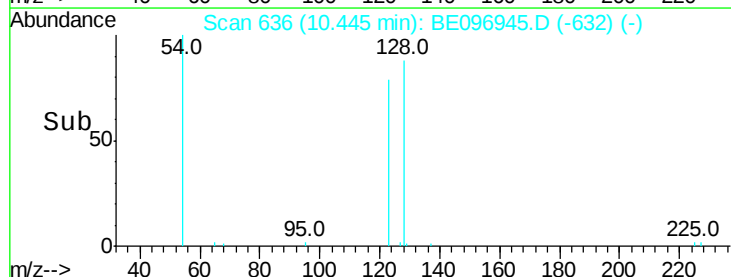
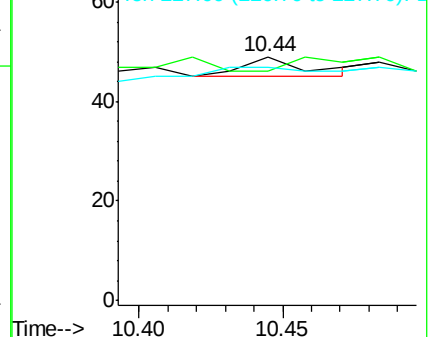
227 66.7 51.4 77.2

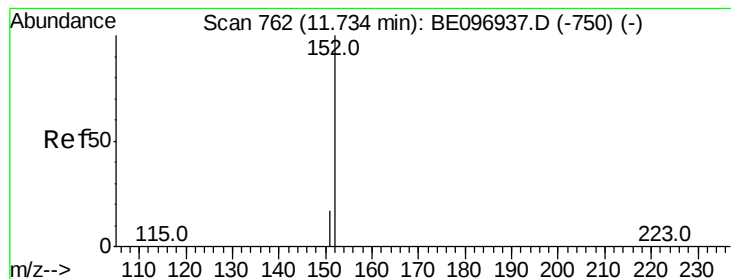


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

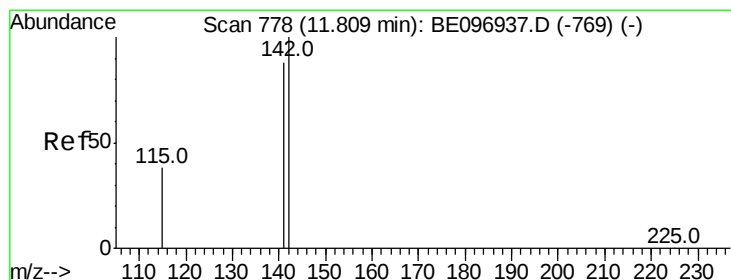
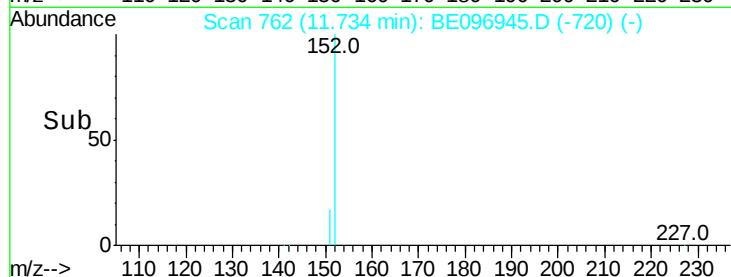
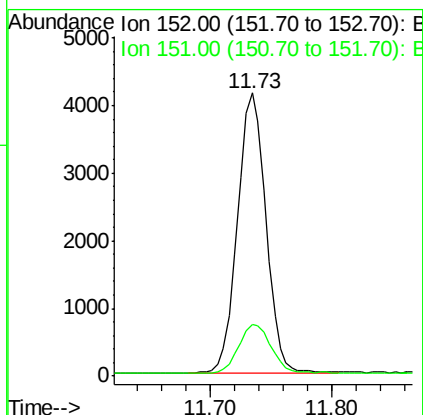
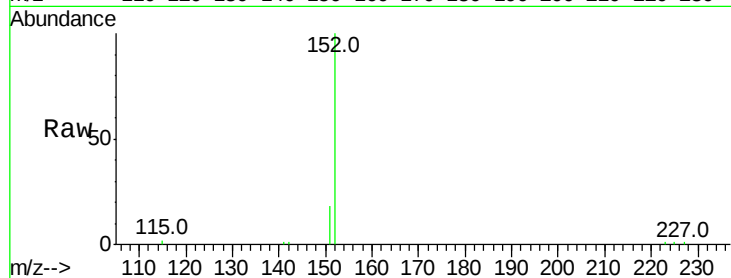




#11
2-Methylnaphthalene-d10
Concen: 0.474 ng
RT: 11.73 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

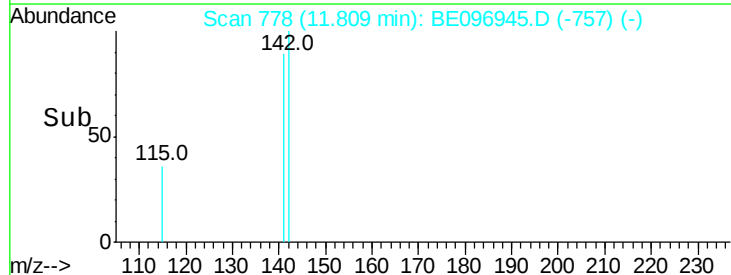
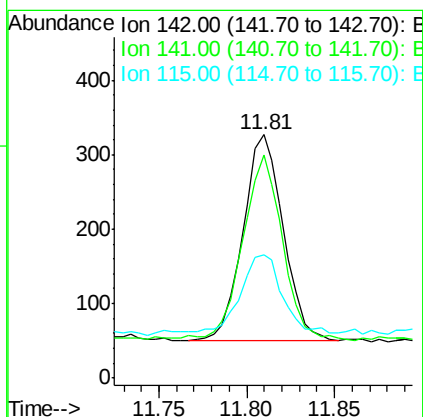
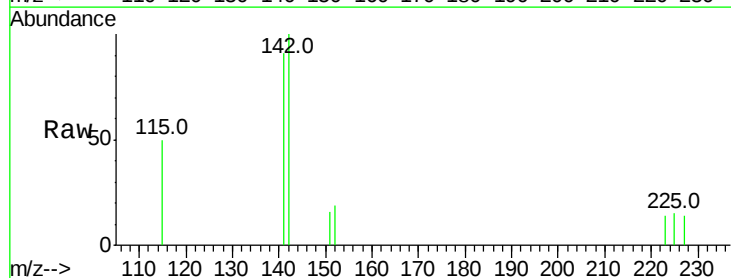
Instrument :
BNA_E
ClientSampleId :

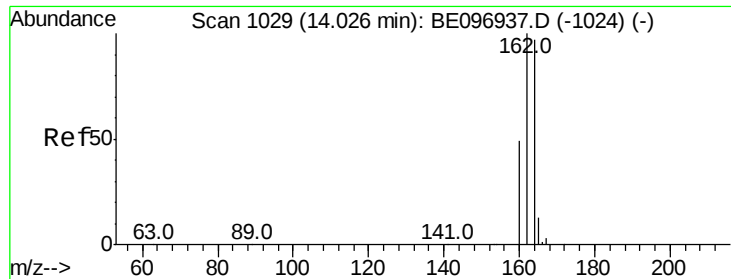
Tot Ion:152 Resp: 6692
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.030 ng
RT: 11.81 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Tgt Ion:142 Resp: 439
Ion Ratio Lower Upper
142 100
141 91.4 70.4 105.6
115 50.5 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

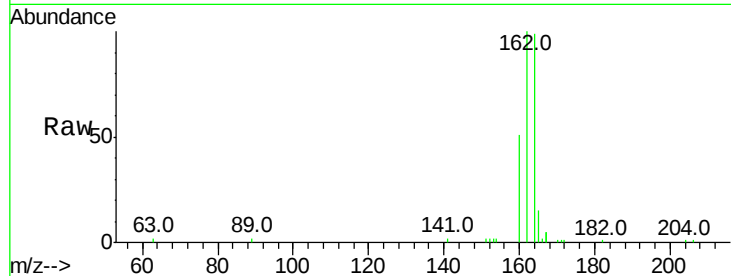
Tot Ion:164 Resp: 5189

Ion Ratio Lower Upper

164 100

162 100.5 83.1 124.7

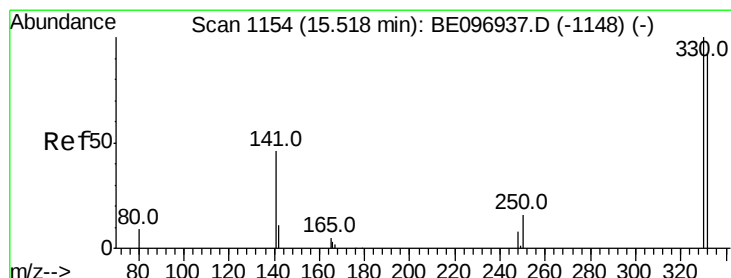
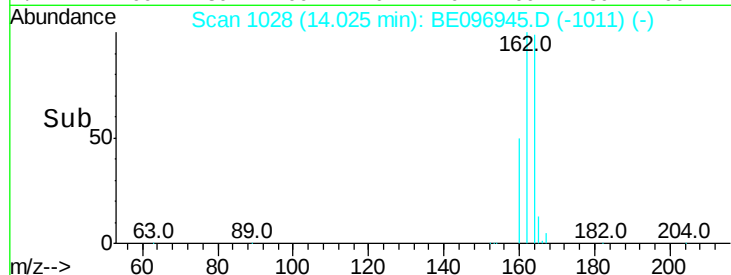
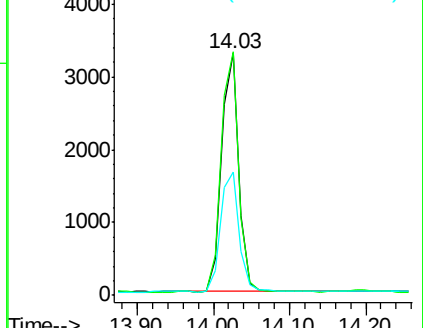
160 50.8 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.558 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

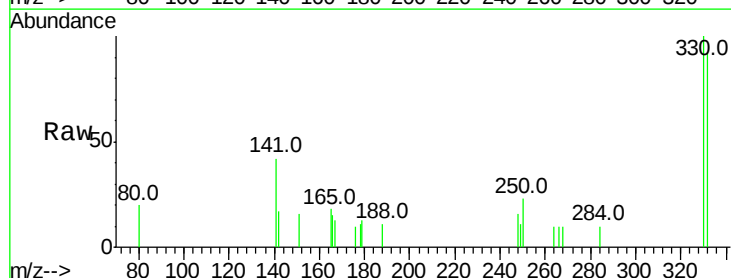
Tgt Ion:330 Resp: 674

Ion Ratio Lower Upper

330 100

332 95.0 152.7 229.1#

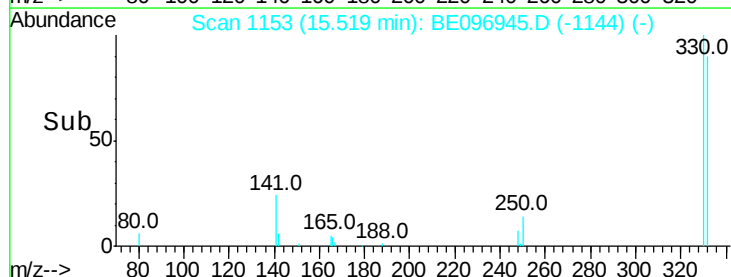
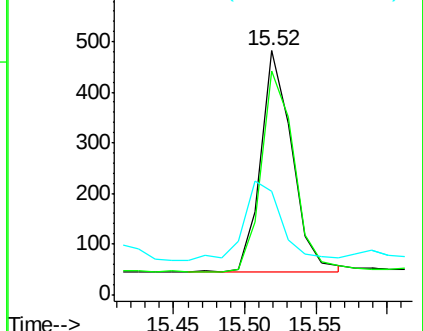
141 41.8 33.7 50.5

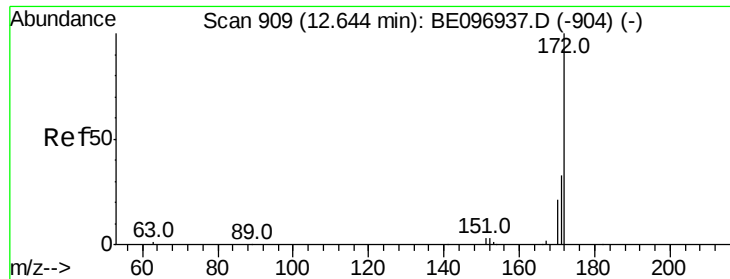


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

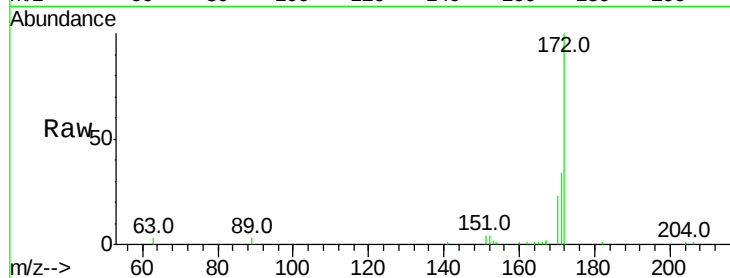




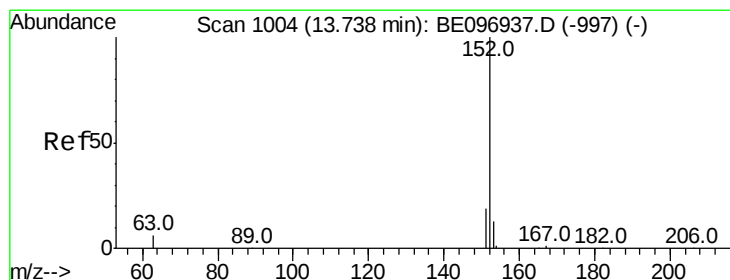
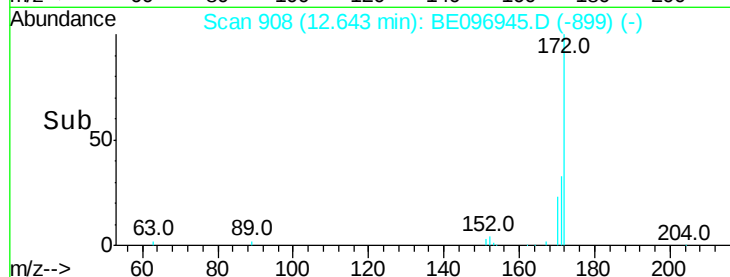
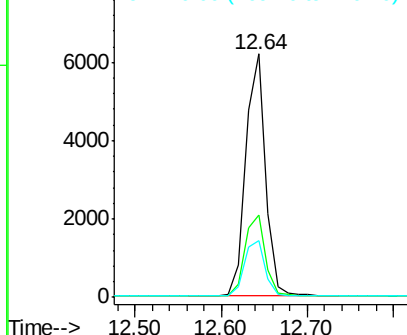
#15
2-Fluorobiphenyl
Concen: 0.506 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 9771
Ion Ratio Lower Upper
172 100
171 33.8 29.9 44.9
170 23.3 21.8 32.8

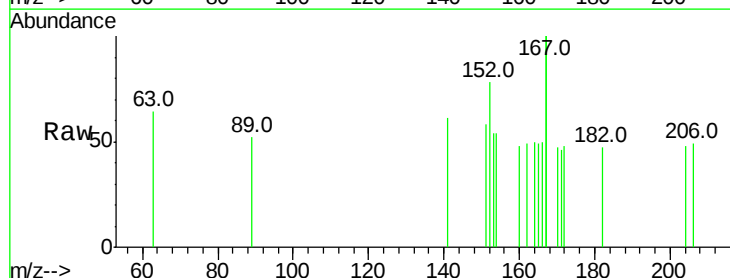


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

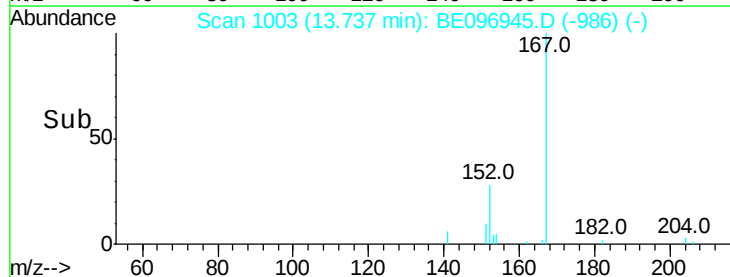
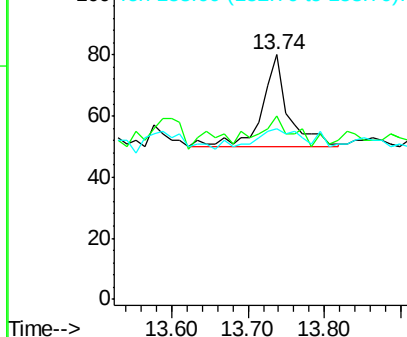


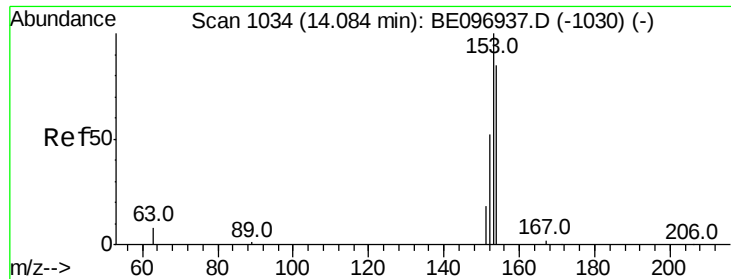
#16
Acenaphthylene
Concen: 0.003 ng
RT: 13.74 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Tgt Ion:152 Resp: 72
Ion Ratio Lower Upper
152 100
151 40.3 15.7 23.5#
153 31.9 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.004 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

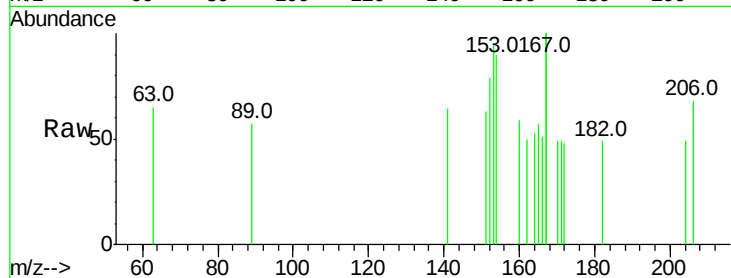
Tot Ion:154 Resp: 66

Ion Ratio Lower Upper

154 100

153 98.5 89.2 133.8

152 95.5 42.0 63.0#



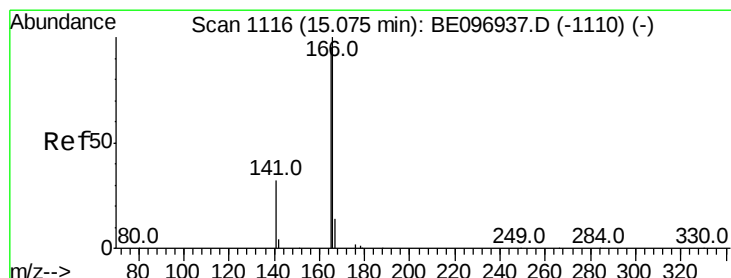
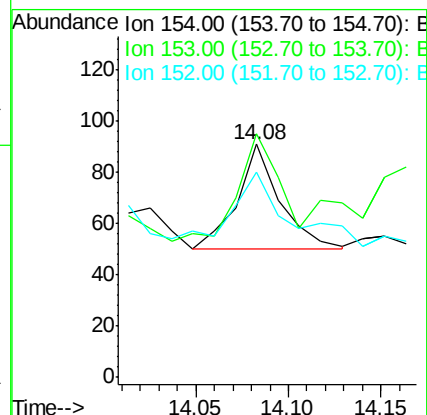
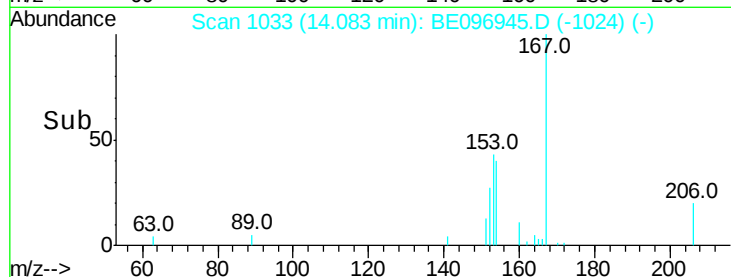
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.08

Time-->



#18

Fluorene

Concen: 0.010 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

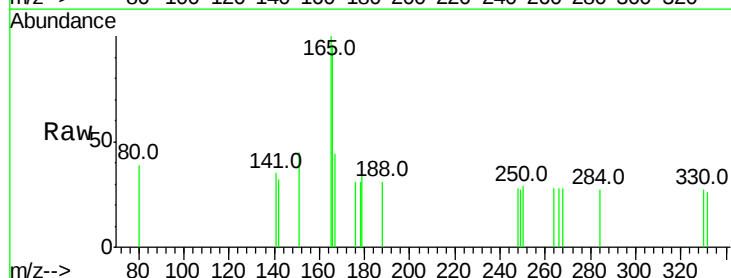
Tgt Ion:166 Resp: 164

Ion Ratio Lower Upper

166 100

165 94.5 77.8 116.6

167 22.0 42.4 63.6#



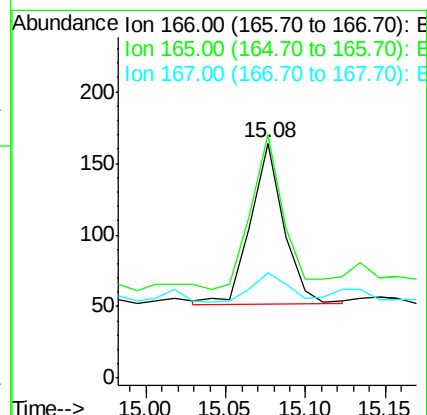
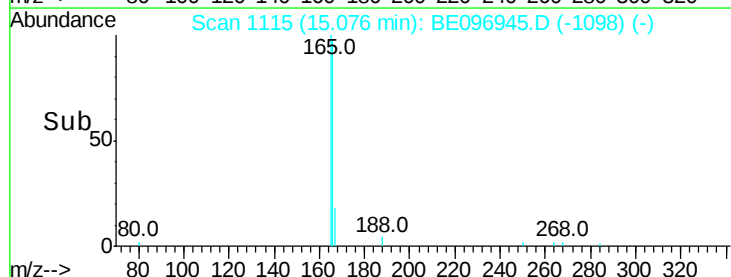
Abundance Ion 166.00 (165.70 to 166.70): E

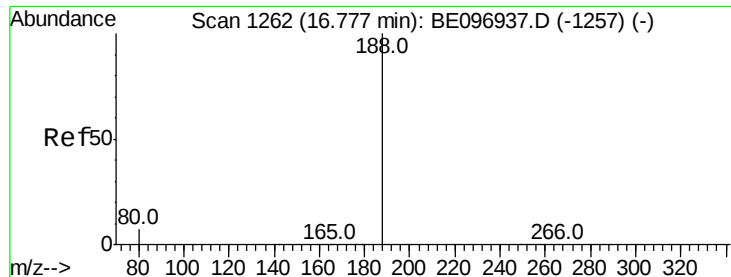
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.08

Time-->

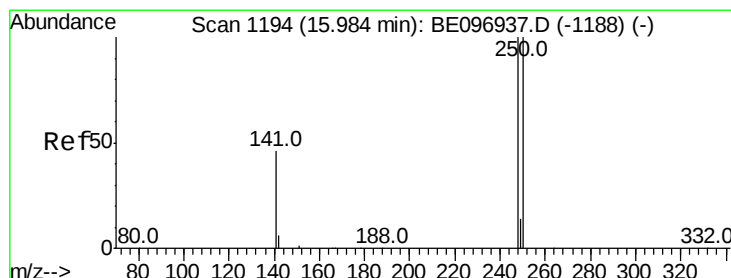
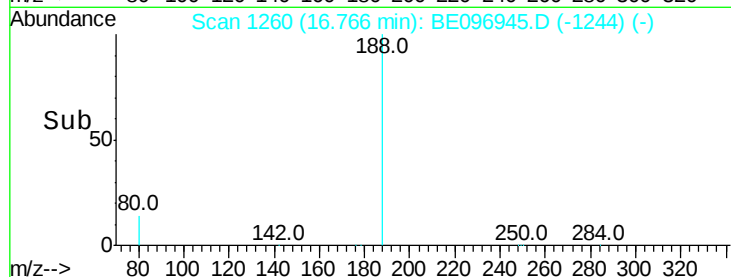
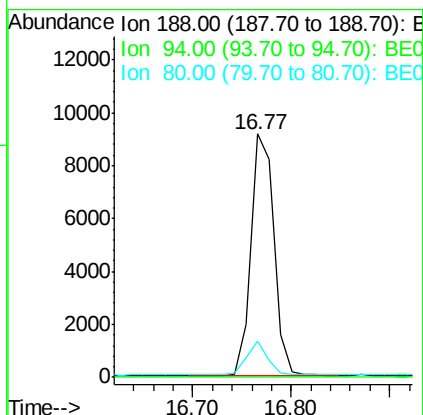
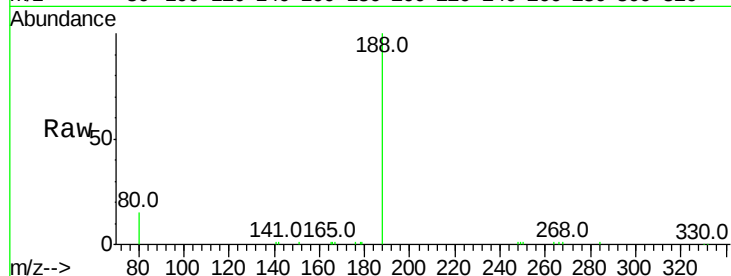




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

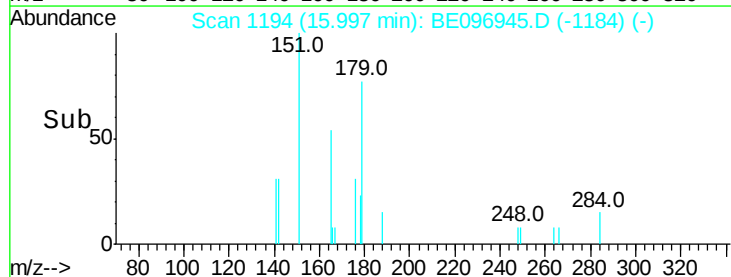
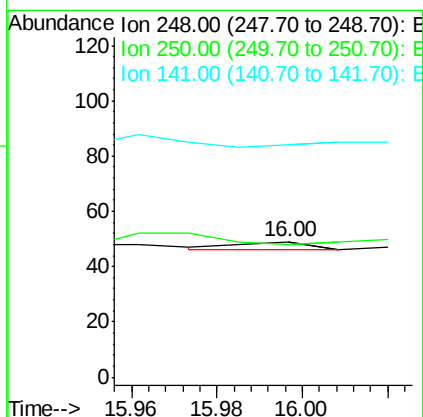
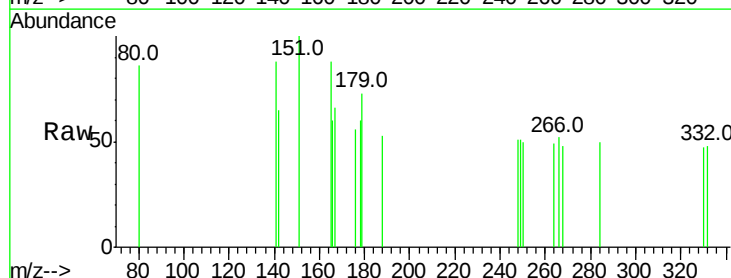
Instrument :
BNA_E
ClientSampleId :

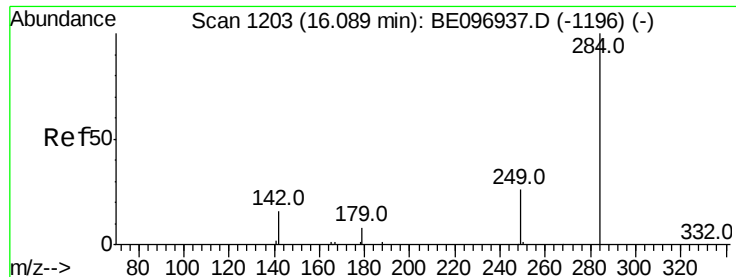
Tot Ion:188 Resp: 14867
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.0 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.00 min Scan# 1194
Delta R.T. 0.01 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Tgt Ion:248 Resp: 3
Ion Ratio Lower Upper
248 100
250 98.0 62.7 94.1#
141 171.4 48.2 72.2#

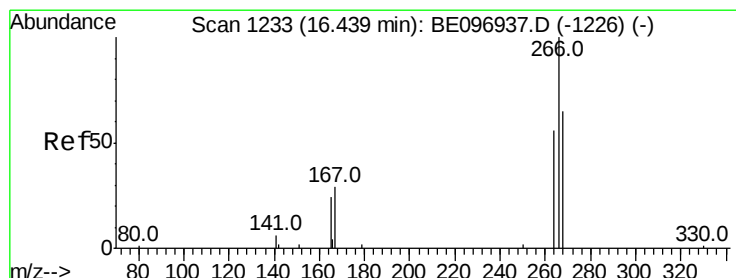
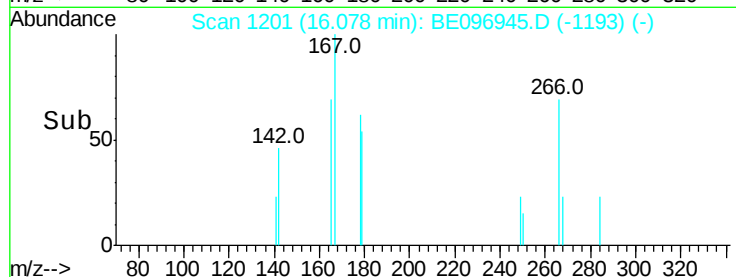
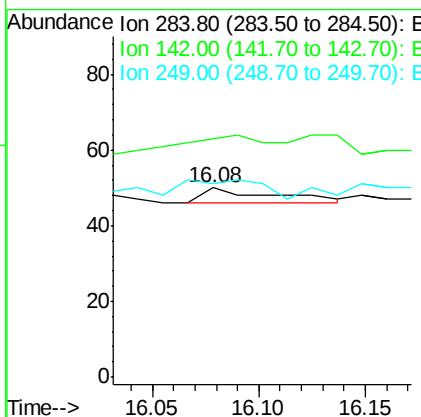
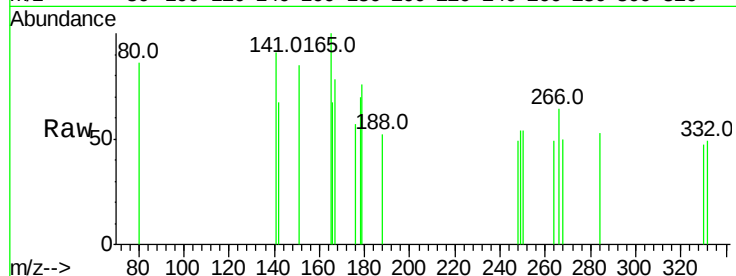




#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.08 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

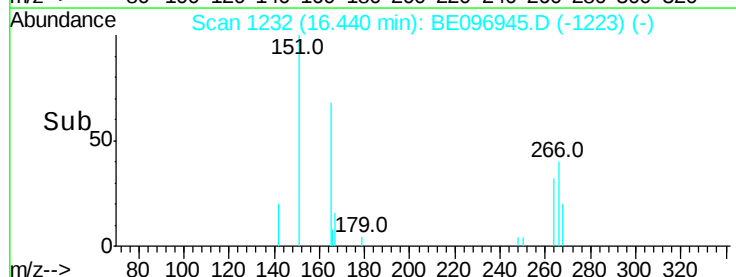
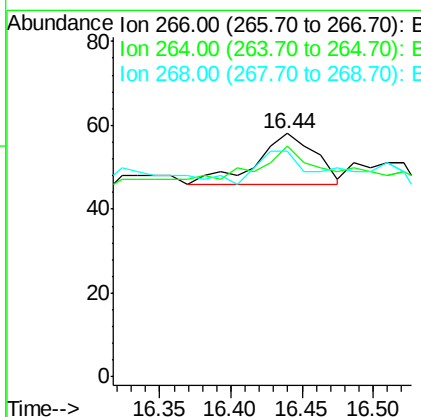
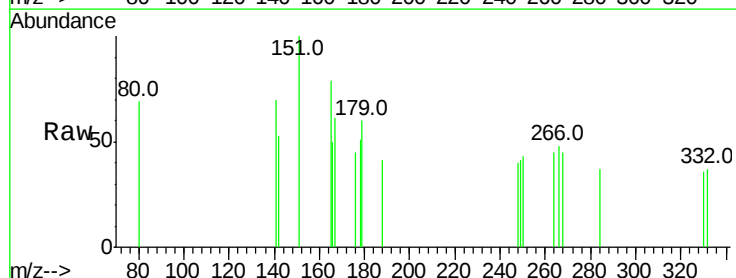
Instrument :
BNA_E
ClientSampled :

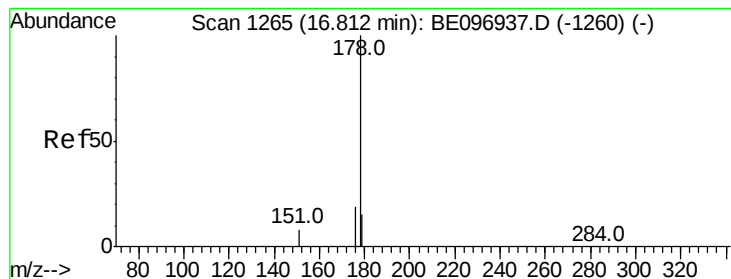
Tot Ion:284 Resp: 9
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 211.1 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.008 ng
RT: 16.44 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Tgt Ion:266 Resp: 34
Ion Ratio Lower Upper
266 100
264 94.8 72.5 108.7
268 93.1 73.8 110.6





#23

Phenanthrene

Concen: 0.019 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

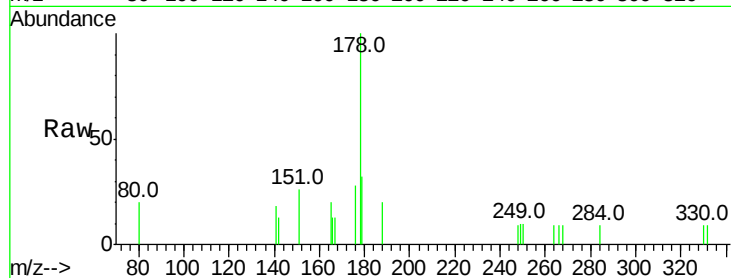
Tot Ion:178 Resp: 694

Ion Ratio Lower Upper

178 100

176 22.3 15.1 22.7

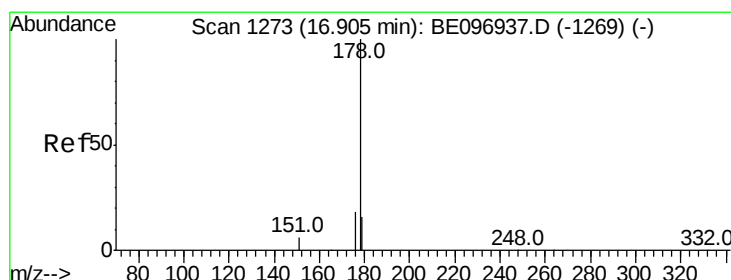
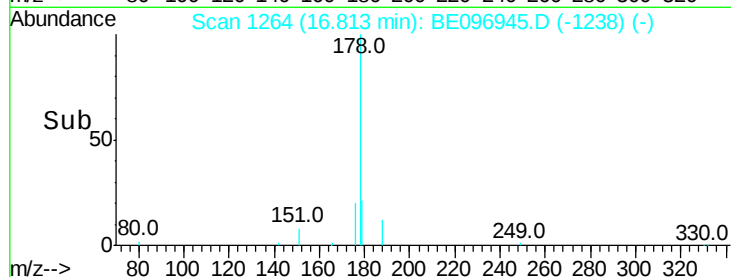
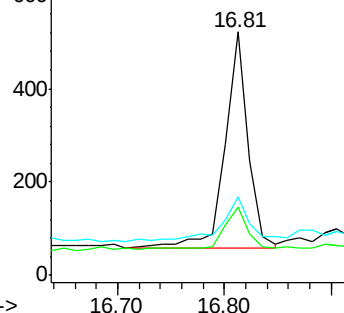
179 28.0 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.003 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

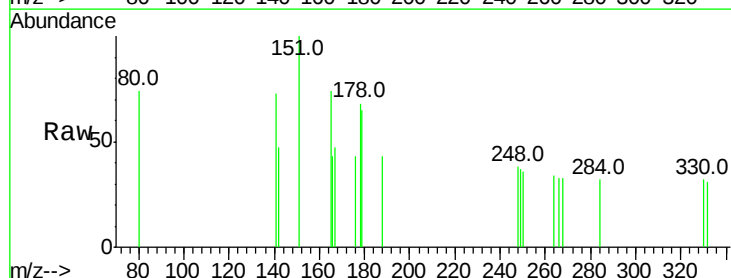
Tgt Ion:178 Resp: 78

Ion Ratio Lower Upper

178 100

176 12.8 12.8 19.2

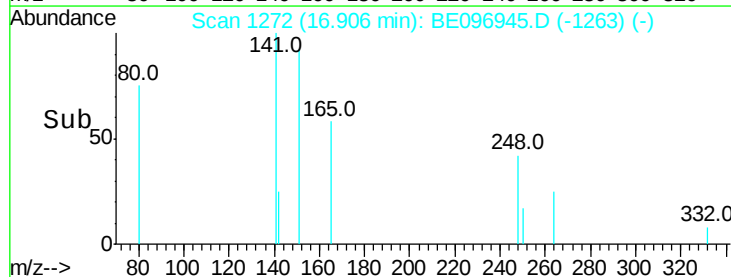
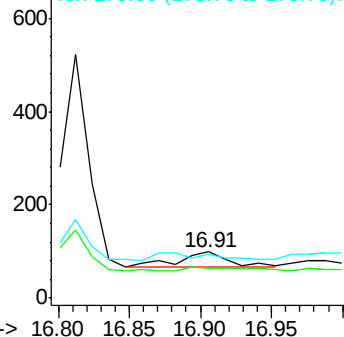
179 0.0 13.0 19.6#

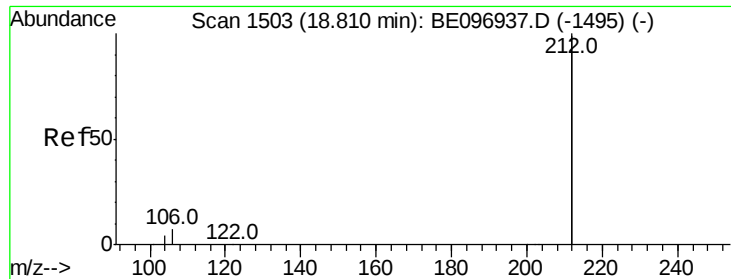


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.604 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

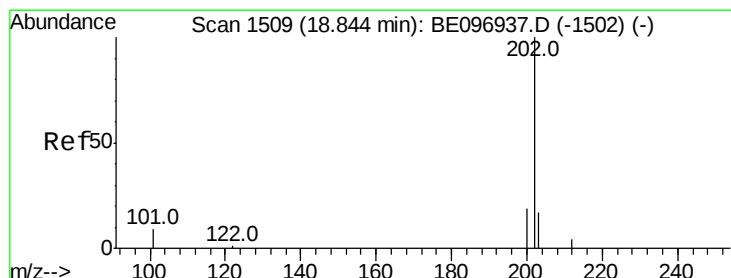
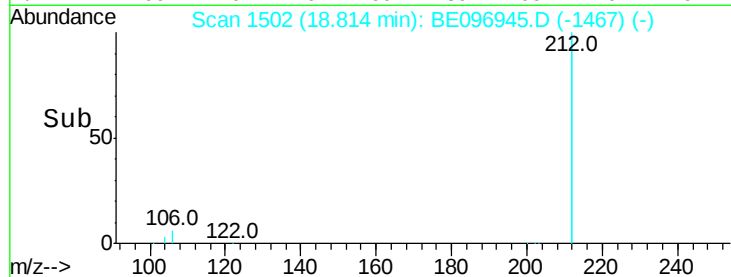
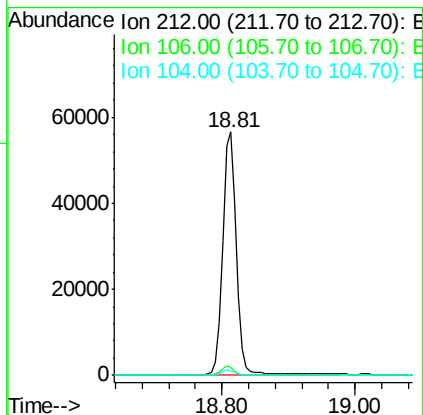
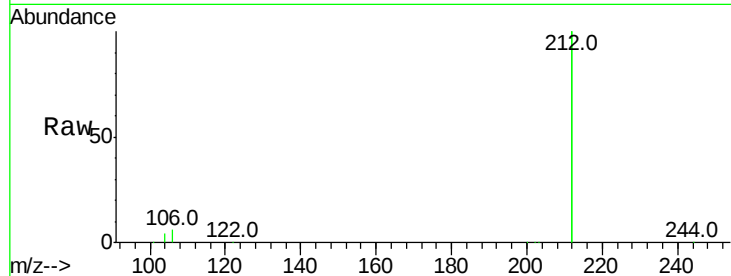
Instrument :

BNA_E

ClientSampleId :

Tot Ion:212 Resp: 78147

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	1.9	1.6	2.4



#26

Fluoranthene

Concen: 0.005 ng

RT: 18.84 min Scan# 1507

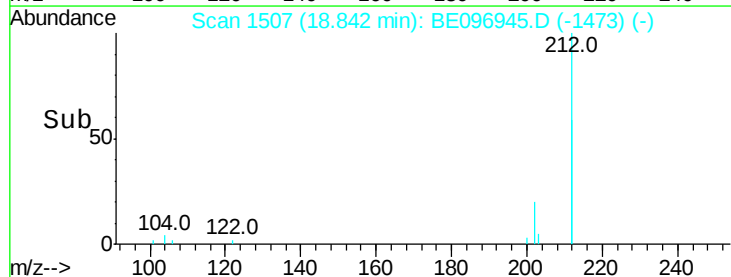
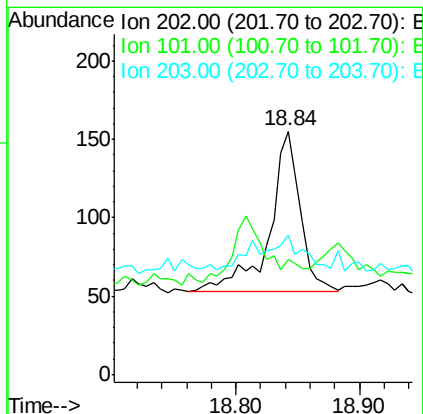
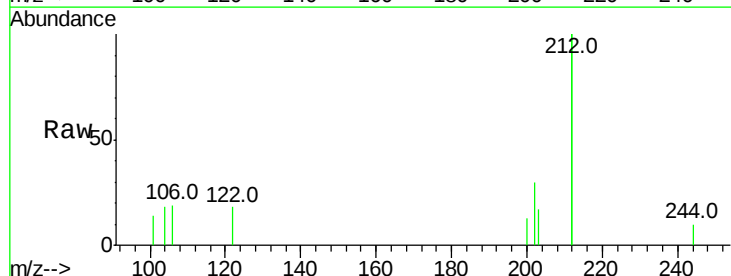
Delta R.T. -0.00 min

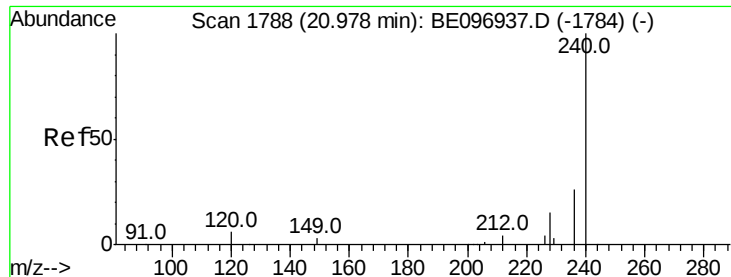
Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Tgt Ion:202 Resp: 175

Ion	Ratio	Lower	Upper
202	100		
101	0.0	9.8	14.8#
203	16.0	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

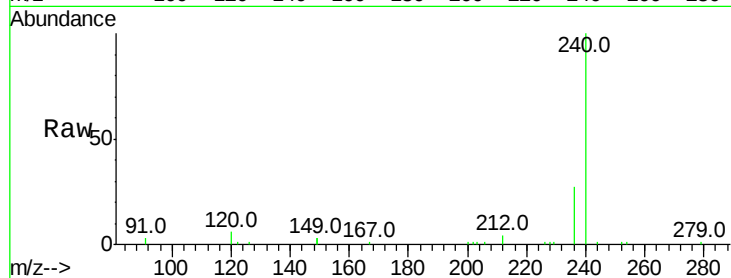
Tot Ion:240 Resp: 13512

Ion Ratio Lower Upper

240 100

120 6.4 5.5 8.3

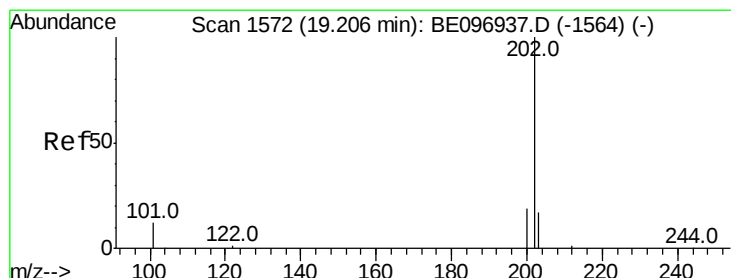
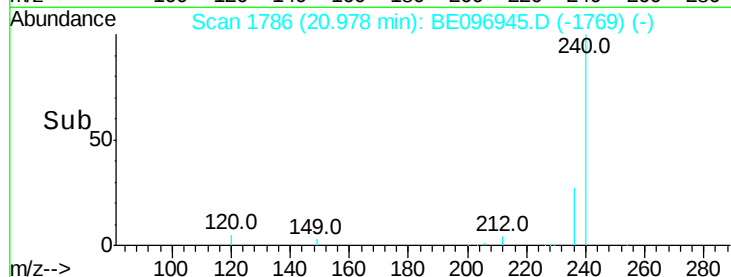
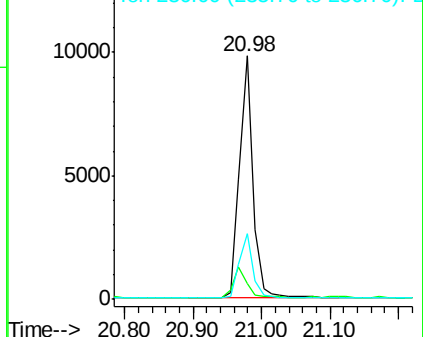
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.004 ng

RT: 19.20 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

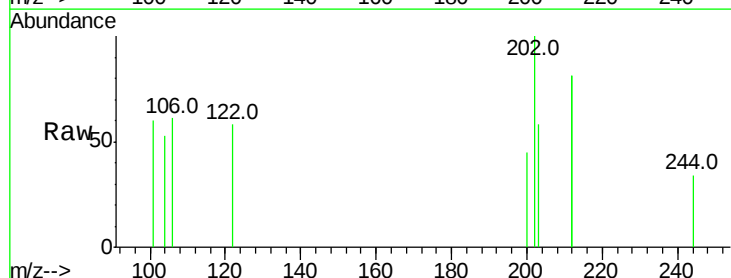
Tgt Ion:202 Resp: 144

Ion Ratio Lower Upper

202 100

200 14.6 16.6 25.0#

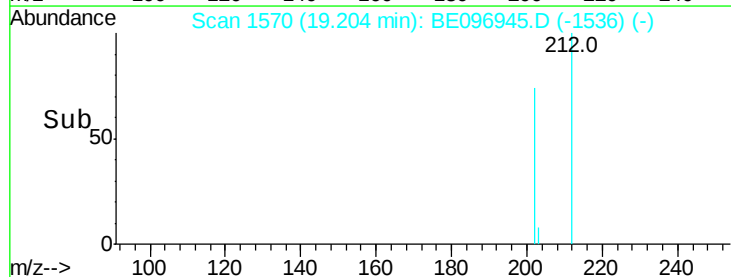
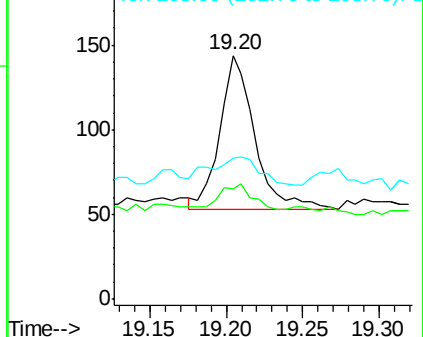
203 25.7 13.8 20.8#

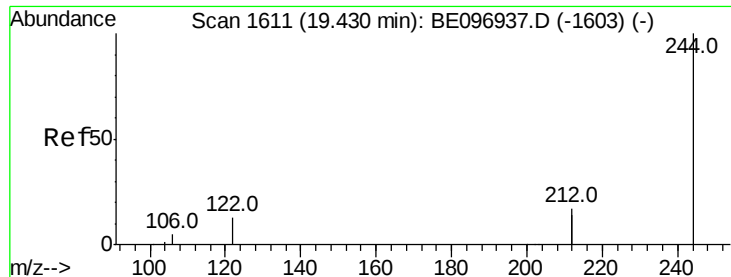


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.619 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

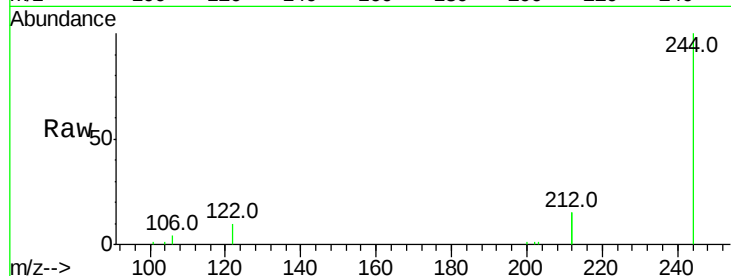
Tot Ion:244 Resp: 16130

Ion Ratio Lower Upper

244 100

212 29.8 25.4 38.0

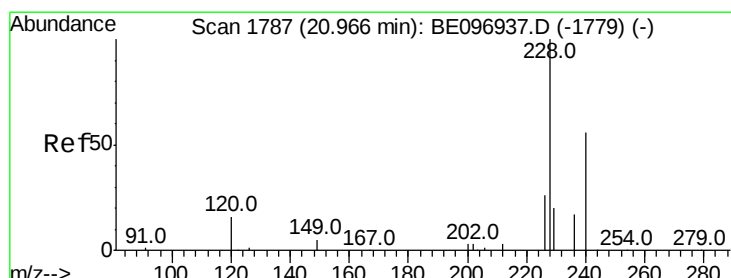
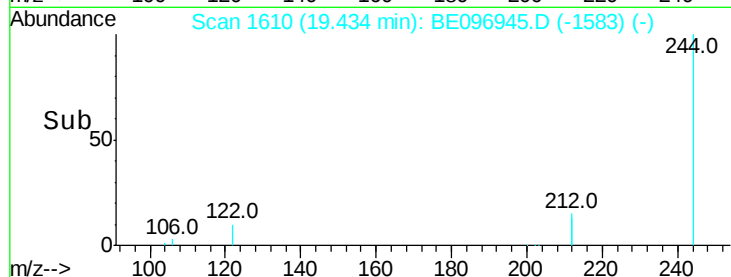
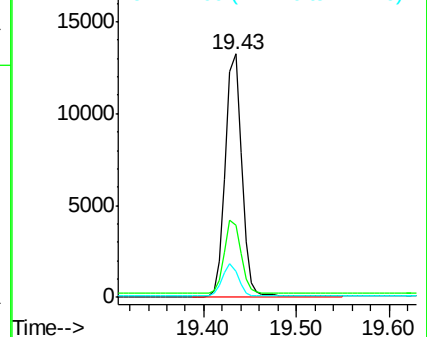
122 10.5 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.004 ng

RT: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

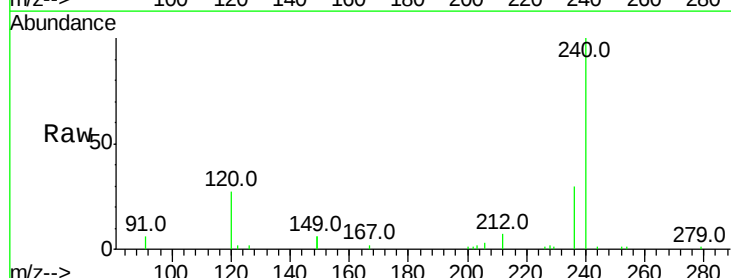
Tgt Ion:228 Resp: 129

Ion Ratio Lower Upper

228 100

226 61.9 24.0 36.0#

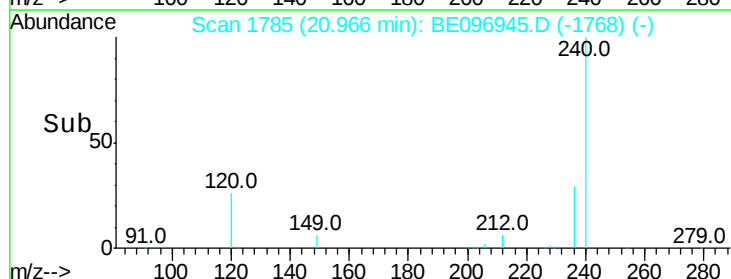
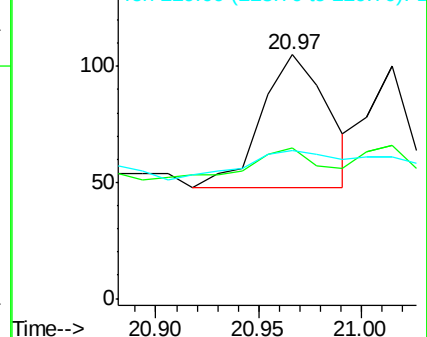
229 61.0 16.0 24.0#

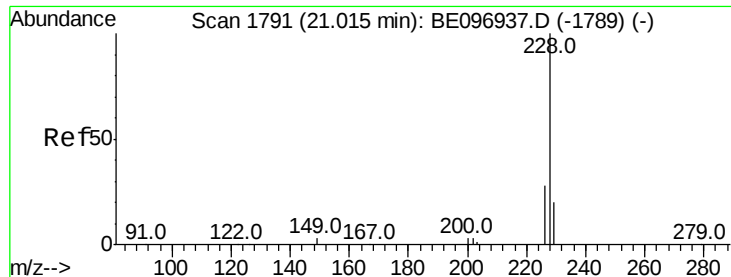


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.003 ng

RT: 20.97 min Scan# 1785

Delta R.T. -0.05 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampled :

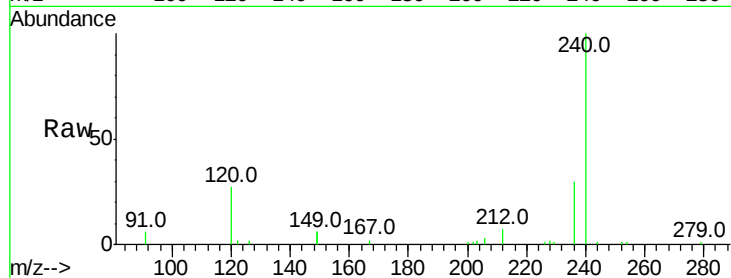
Tot Ion:228 Resp: 96

Ion Ratio Lower Upper

228 100

226 61.9 24.0 36.0#

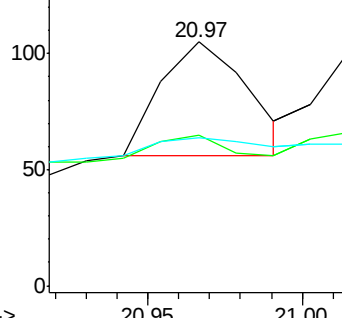
229 61.0 16.0 24.0#



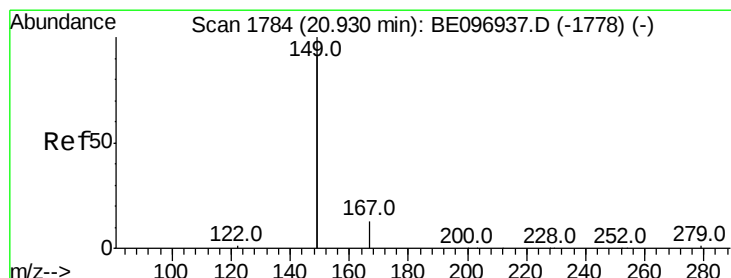
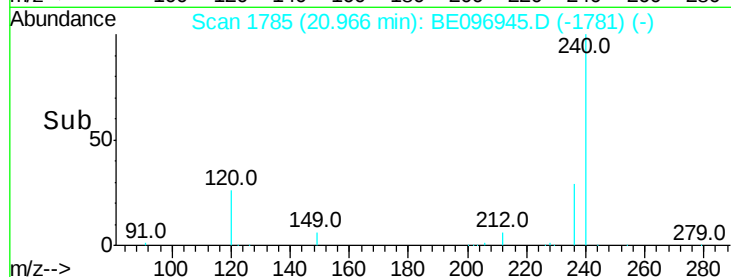
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.261 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

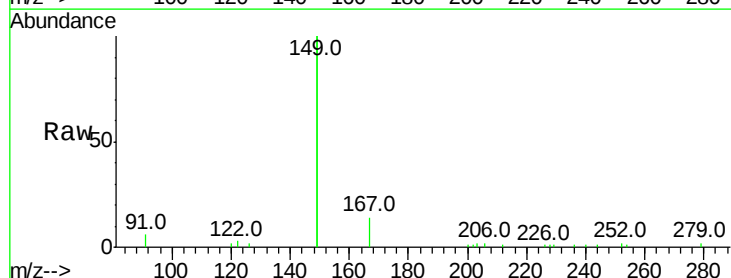
Tgt Ion:149 Resp: 8392

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

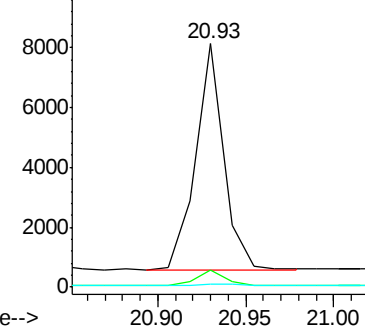
279 1.1 0.7 1.1#



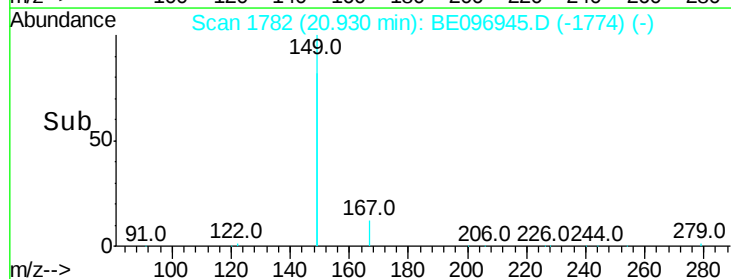
Abundance Ion 149.00 (148.70 to 149.70): E

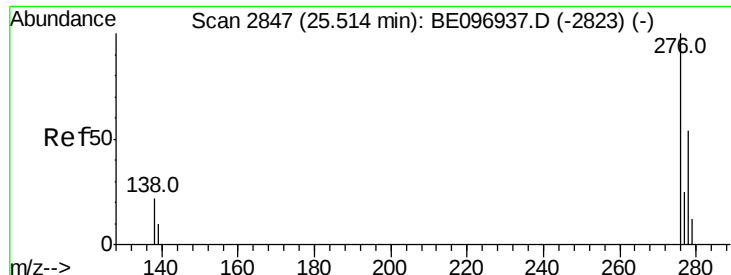
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.001 ng

RT: 25.51 min Scan# 2843

Delta R.T. -0.01 min

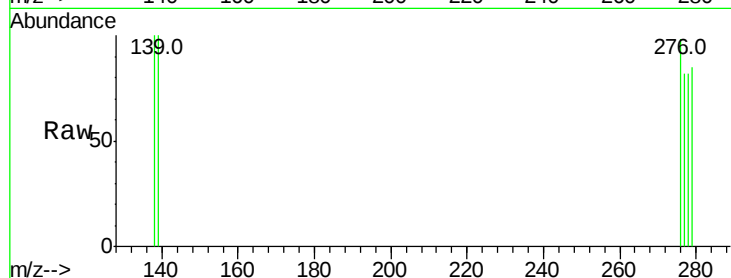
Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :



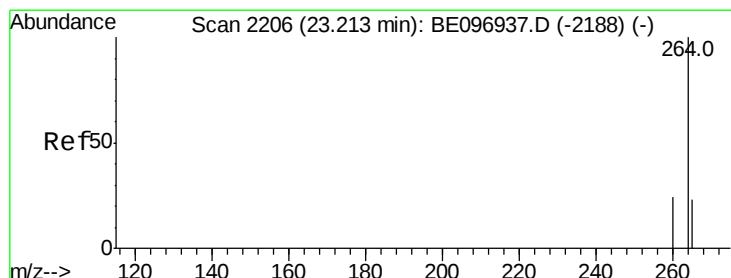
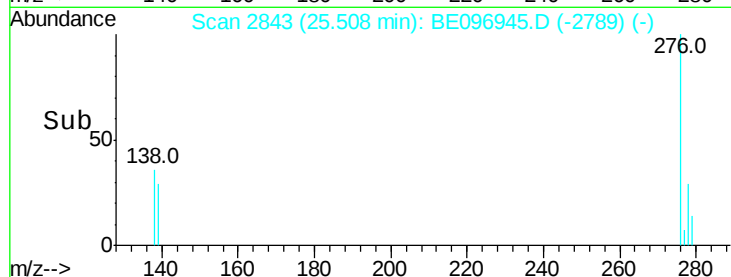
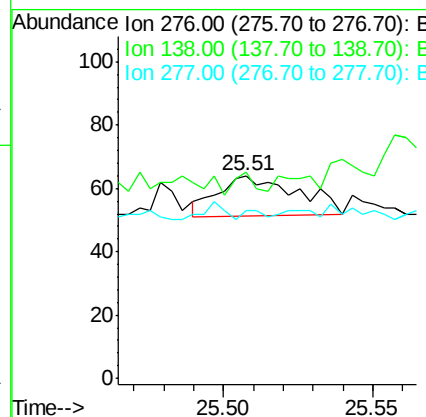
Tot Ion:276 Resp: 23

Ion Ratio Lower Upper

276 100

138 13.0 22.5 33.7#

277 13.0 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

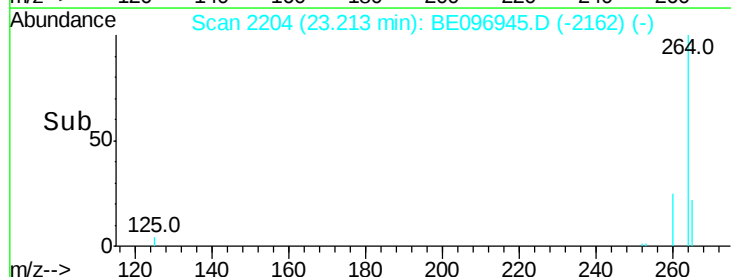
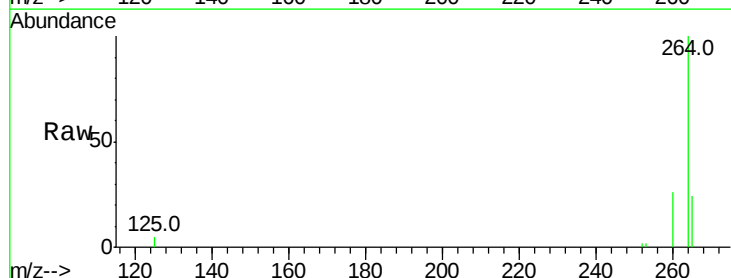
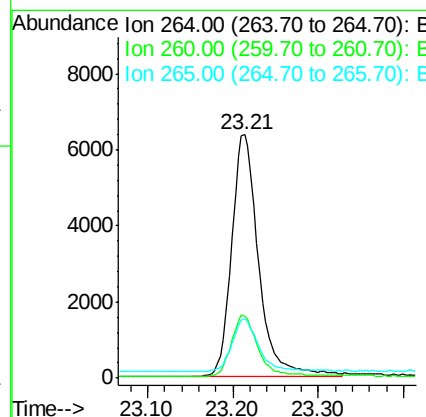
Tgt Ion:264 Resp: 13910

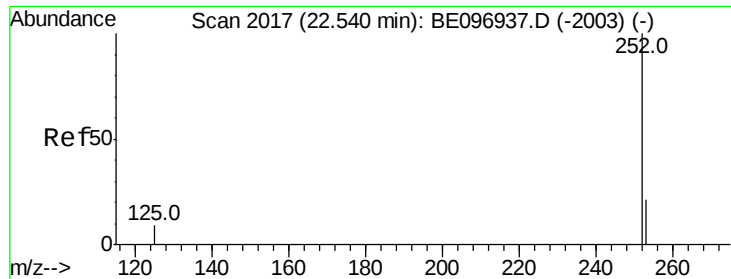
Ion Ratio Lower Upper

264 100

260 25.6 20.5 30.7

265 24.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.003 ng

RT: 22.54 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

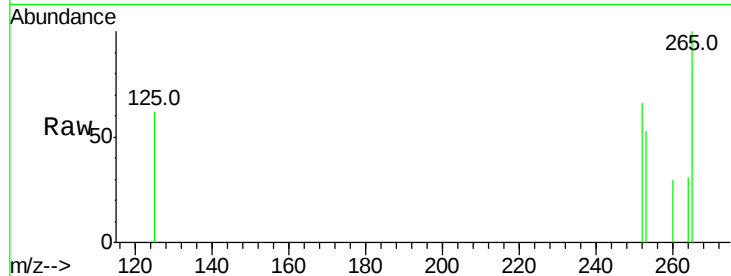
Tot Ion:252 Resp: 96

Ion Ratio Lower Upper

252 100

253 80.4 20.0 30.0#

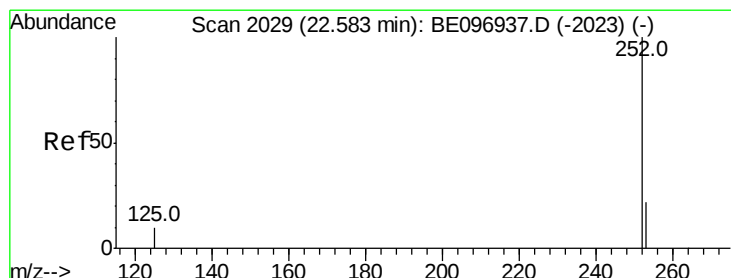
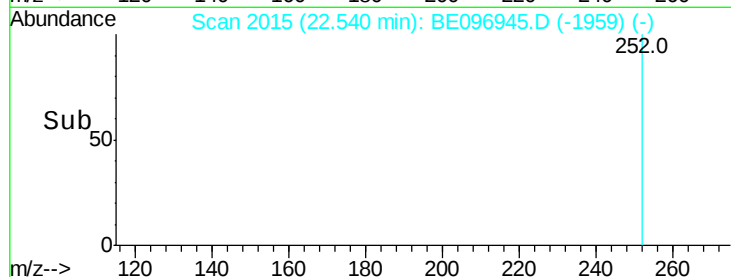
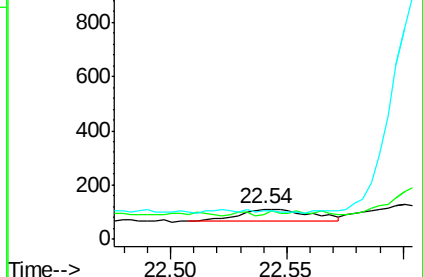
125 93.8 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 22.61 min Scan# 2034

Delta R.T. 0.02 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

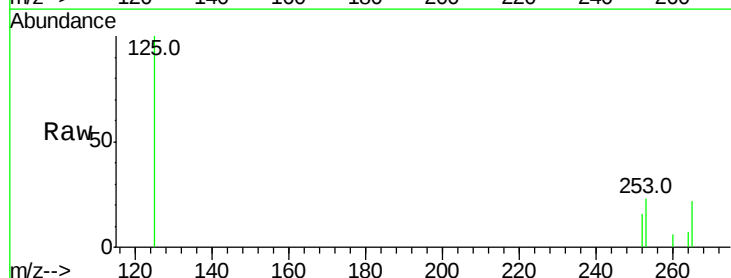
Tgt Ion:252 Resp: 129

Ion Ratio Lower Upper

252 100

253 143.7 16.0 24.0#

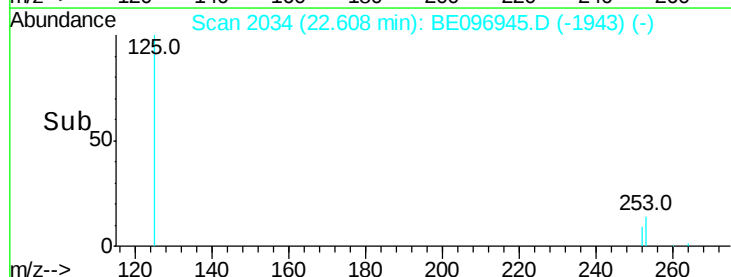
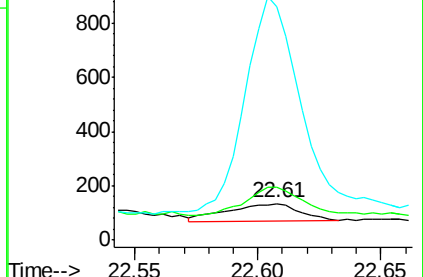
125 636.3 8.0 12.0#

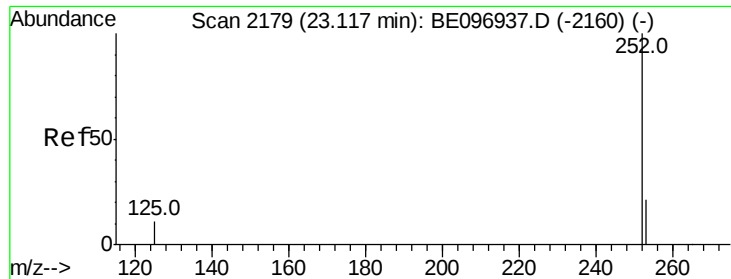


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.102 ng

RT: 23.10 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

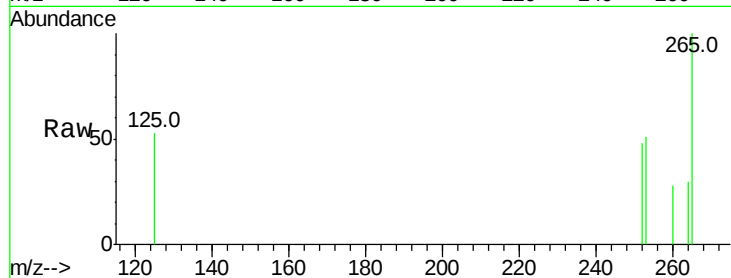
Tot Ion:252 Resp: 11

Ion Ratio Lower Upper

252 100

253 107.0 16.0 24.0#

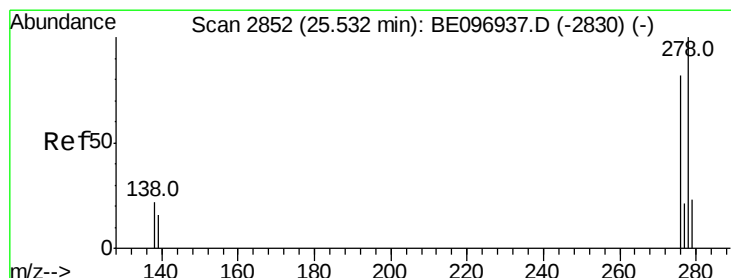
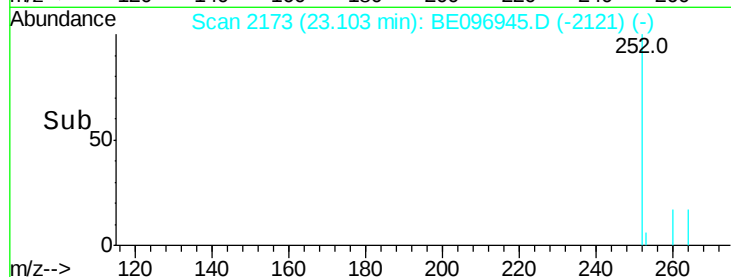
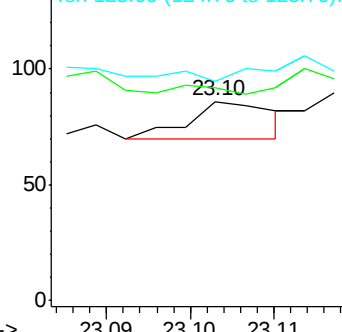
125 110.5 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

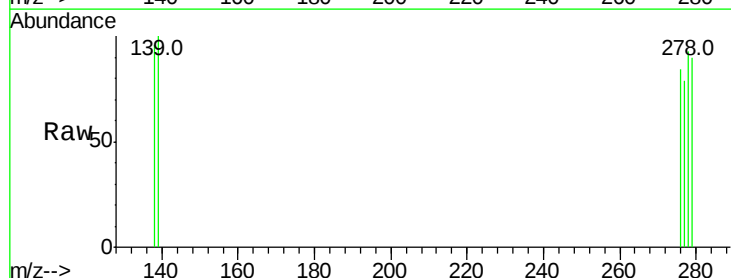
Tgt Ion:278 Resp: 24

Ion Ratio Lower Upper

278 100

139 108.1 16.0 24.0#

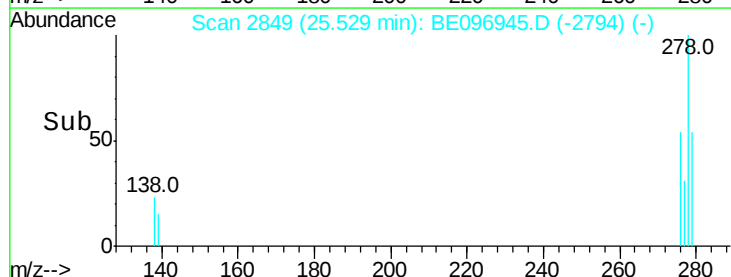
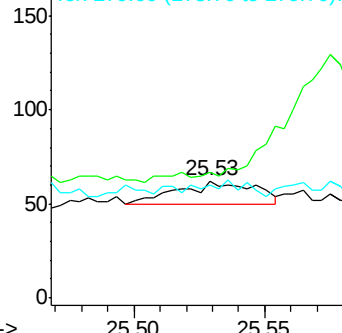
279 96.8 20.0 30.0#

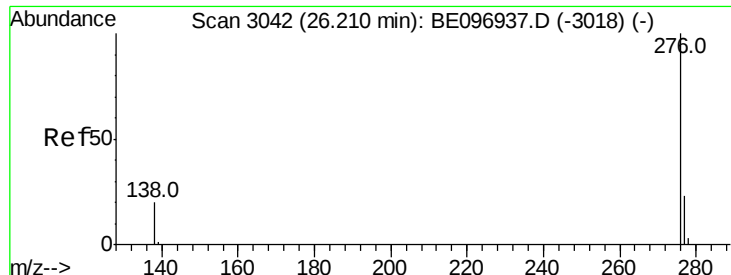


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.001 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.01 min

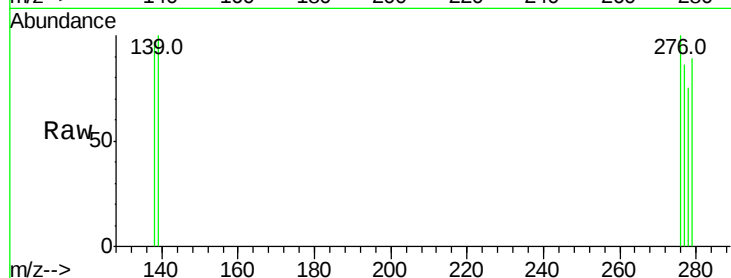
Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 17

Ion Ratio Lower Upper

276 100

277 85.9 16.0 24.0#

138 96.9 20.0 30.0#

